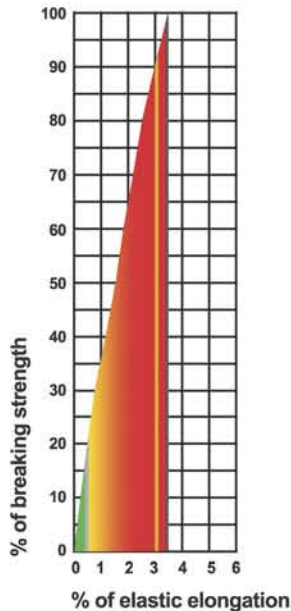


UNITREX XS™ MAX WEAR

Imprinting Available

Unitrex XS Max Wear is Uniline's high tech cousin, which is a parallel cored rope of Honeywell's Spectra, wrapped with a Neoprene tape and over braided with a tough jacket of high tenacity polyester. The result is a synthetic cable, somewhat stiffer than your usual rope, which is much like wire in its stretch characteristics. Unlike wire it is much lighter and easily handled. Due to its toughness we are comfortable assigning it a higher working load rating which is 25% of its breaking strength. Unitrex XS Max Wear has high strength retention in service which is

supported by field studies and our long standing track record with Uniline polyester. Unitrex's tough rubber layer protects its high modulus Spectra core and the outer jacket is saturated with Urethane making it the toughest UHMPE rope you can buy. All Yale's parallel core ropes are torque free, with bonded cores preventing contamination of the internal strength member. Unitrex XS can be quickly terminated and/or joined with a TechEye™ or TechJoin™ found on page 31.



Diameter Inches (mm)	Average Spliced Break Strength		Minimum Spliced Break Strength		Maximum Working Load 4:1		Weight	
	Lbs	Kg	Lbs	Kg	Lbs	Kg	100ft	100m
0.44 (11)	20,000	9,080	18,000	8,170	5,000	2,270	6.7	10.0
0.53 (14)	26,000	11,800	23,400	10,620	6,500	2,950	9.2	13.7
0.58 (15)	34,000	15,435	30,600	13,890	8,500	3,855	11.4	17.0
0.63 (16)	42,500	19,295	38,250	17,365	10,625	4,820	13.5	20.1
0.71 (18)	50,500	22,925	45,450	20,630	12,625	5,730	16.9	25.2
0.84 (21)	73,500	33,365	66,150	30,030	18,375	8,340	24.2	36.0
1 (25)	100,000	45,400	90,000	40,860	25,000	11,350	32.4	48.2
1.15 (29)	125,000	56,750	112,500	51,075	31,250	14,185	42.4	63.1
1.25 (32)	158,000	71,730	142,200	64,555	39,500	17,930	52.5	78.2
1.4 (36)	195,000	88,530	175,500	79,675	48,750	22,130	64.9	96.6
1.7 (43)	264,000	119,855	237,600	107,870	66,000	29,960	92.6	137.9
1.8 (46)	310,000	140,740	279,000	126,665	77,500	35,185	98.8	147.1
1.9 (48)	360,000	163,440	324,000	147,095	90,000	40,860	113.3	168.7
2.2 (56)	430,000	195,220	387,000	175,695	107,500	48,805	144.0	214.4

Energy Absorption

The colored area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

- Green working 247 ft. lbs./lb.
- Red ultimate 6,893 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Unitrex is 50 Micro Amperes when tested at 90KV per ASTM 1701-05 "Routine Production Test". Absorbed and entrained moisture or impurities will increase ropes conductivity dramatically.

Splice using Yale's splicing technique document #10018008 (video) for all sizes.

Specific Gravity: 1.1

